

## PRINTER

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G06F3/12; H04N1/00; (IPC1-7): G06F3/12; B41J29/38;  
H04N1/00

- European:

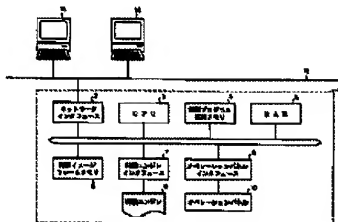
Application number: JP19970106666 19970409

Priority number(s): JP19970106666 19970409

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Abstract of JP10283141

**PROBLEM TO BE SOLVED:** To provide a printer which prints print data stored in a device which is connected to a network without an operation from other devices connected to the network. **SOLUTION:** A printer 1 gives and receives data with external devices 13 and 14 through a network interface 2 and a network 12. It receives an input sent from an operation panel 10 from an operation interface 9 and stores a setting condition in RAM, etc. When it receives the print execution of print data that is stored in the devices 13 and 14, it requests the devices 13 and 14 to transfer the print data according to the setting condition. It expands and processes data that is transferred from the devices 13 and 14 in print image frame memory 6 according to a control program which is preliminarily stored in control program storage memory 4, and further transfers a print image to a print engine 8 through a print engine interface 7, prints it and outputs it.

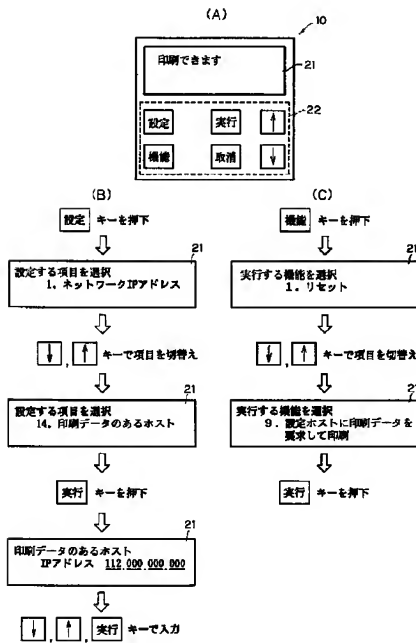
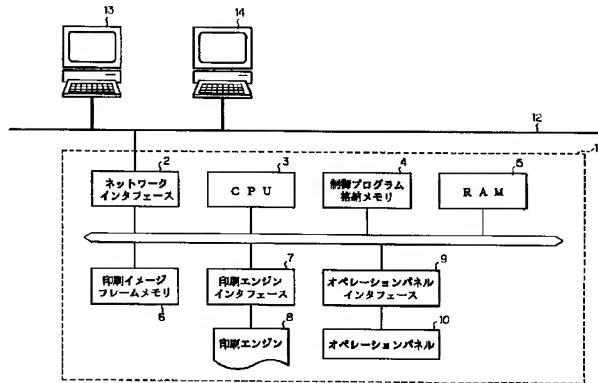


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プリンタ装置 (クライアントの動作/状態)	通信シーケンス	外部装置 (サーバの動作/状態)
制御用のTCP接続	TCP接続要求 → サーバOK ←	TCPポート21番LISTEN状態
ユーザ・ログイン開始	USER xxx ユーザ名送信 → ユーザ名OKパスワード要求 ←	ユーザ名確認
ユーザ名送信	PASS yyyyパスワード送信 → ユーザ・ログインOK ←	パスワード確認
パスワード送信	印刷データ転送要求(RTR) → 150 印刷データ・ステータスOK ←	印刷データ確認
印刷データ転送開始	PORTコマンド実行 → PORTコマンド実行正常終了 ←	データ・コネクション接続
印刷データ受信と書き込み	データ転送用のコネクション接続 → データ転送実行 ←	印刷データ読み出しと送信
印刷データ転送完了	データ転送用のコネクション切断 → データ転送完了応答 ←	印刷データ転送完了通知

